

# Index to Volume 36

## Authors and Titles

- Adams, N. R., and Martin, G. B.  
Effects of oestradiol on plasma  
concentrations of luteinizing hormone in  
ovariectomized ewes with clover  
disease 295
- Arthur, Peter G. *See* Willcox, David L. 173
- Axelson, Magnus. *See* Collins, David J. 315
- Benevenga, N. J., Radcliffe, B. C., and Egan,  
A. R.  
Tissue metabolism of methionine in  
sheep 475
- Berman, the late M. *See* Wastney, M. E. 463
- Bickerstaffe, R. *See* Wastney, M. E. 271, 463
- Bindon, B. M. *See* Post, T. B. 545; Tassell,  
Robin J. 351
- Bradshaw, J. E. *See* Smythe, G. A. 379, 519
- Broad, T. E., Sedcole, J. R., and Ngan,  
Anna S.  
Incorporation of glucose into lipid of  
perirenal and subcutaneous adipocytes of  
rats and sheep; influence of insulin 147
- Brooks, D. E.  
Epididymal functions and their hormonal  
regulation 205
- Brown, A. H. D., and Burdon, J. J.  
Multilocus diversity in an outbreeding  
weed, *Echium plantagineum* L. 503
- Burdon, J. J., Luigi, N. H., and Marshall,  
D. R.  
Isozyme uniformity and virulence variation  
in *Puccinia graminis* f. sp. *tritici* and *P.*  
*recondita* f. sp. *tritici* in Australia 403
- Burdon, J. J. *See also* Brown, A. H. D. 503
- Chapman, R. E. *See* Hollis, D. E. 419
- Chararas, Constantin, and Chipoulet,  
Jean-Marc  
Studies on the digestion of cellulose by the  
larvae of the *Eucalyptus* borer,  
*Phoracantha semipunctata* (Coleoptera:  
Cerambycidae) 223
- Chipoulet, Jean-Marc. *See* Chararas  
Constantin 223
- Clark, B. L. *See* O'Donnell, I. J. 15
- Collins, David J., and Stone, Grant M.  
The structure and function of oestrogens.  
VI. The quinone methide hypothesis:  
stability of the benzylic hydrogen atoms  
of *meso*-hexoestrol during oestrogenic  
stimulation in mice 305
- Collins, David J., Stone, Grant M., and  
Axelson, Magnus  
The structure and function of oestrogens.  
VII. The use of (9,12,12-<sup>3</sup>H<sub>3</sub>)- and  
(11 $\beta$ ,12,12-<sup>3</sup>H<sub>3</sub>)oestradiol in a test of the  
quinone methide hypothesis for  
oestrogen action 315
- Cooper, D. W., Woolley, P. A., Maynes,  
G. M., Sherman, F. S., and Poole, W. E.  
Studies on metatherian sex chromosomes.  
XII. Sex-linked inheritance and probable  
paternal X-inactivation of  $\alpha$ -galactosidase  
A in Australian marsupials 511
- Corrigendum 284
- Davies, Richard, A. H. *See* Dearn, John  
M. 387
- Day, T. A., West, Malcolm J., and  
Willoughby, John O.  
Stress suppression of growth hormone  
secretion in the rat: effect of disruption  
of inhibitory noradrenergic afferents to  
the median eminence 525
- Dearn, John M., and Davies, Richard A. H.  
Natural selection and the maintenance of  
colour pattern polymorphism in the  
Australian plague locust, *Chortoicetes  
terminifera* 387
- Duncan, M. W. *See* Smythe, G. A. 379
- Egan, A. R. *See* Benevenga, N. J. 475

- Fisher, W. K., and Thompson, E. O. P.  
Amino acid sequence studies on sheep liver  
fructose-bisphosphatase. II. The complete  
sequence 235
- Frater, R.  
Inhibition of growth of hair follicles by a  
lectin-like substance from rat skin 411
- Gadiel, P. A. *See* Messer, M. 129; Stewart,  
I. M. 139
- Galil, K. A. A. *See* Setchell, B. P. 285
- George, Frederick W. *See* Wilson, Jean  
D. 101
- Gow, C. B., McDowell, G. H., and Jenkin,  
G. J.  
Importance of prolactin for initiation of  
lactation in the pregnant ewe 357
- Green, Brian, Griffiths, Mervyn, and Leckie,  
R. M. C.  
Qualitative and quantitative changes in  
milk fat during lactation in the tammar  
wallaby (*Macropus eugenii*) 455
- Griffin, James E. *See* Wilson, Jean D. 101
- Griffiths, M. *See* Green, Brian 455; Messer,  
M. 129; Stewart, I. M. 139
- Hartmann, Peter E. *See* Willcox, David  
L. 173
- Hickey, M. W., Hillier, A. J., and Jago, G. R.  
Metabolism of pyruvate and citrate in  
lactobacilli 487
- Hillier, A. J. *See* Hickey, M. W. 487
- Hollis, D. E., Chapman, R. E., Panaretto,  
B. A., and Moore, G. P. M.  
Morphological changes in the skin and  
wool fibres of sheep infused with mouse  
epidermal growth factor 419
- Howells, A. J. *See* Turnbull, I. F. 251
- Ilag, Lina L. *See* Serrano, Edralina P. 445
- Jago, G. R. *See* Hickey, M. W. 487
- Jenkin, G. J. *See* Gow, C. B. 357
- Jones, A. R.  
The antifertility actions of  $\alpha$ -chlorohydrin  
in the male 333
- Keast, D., and Tonkin, C.  
Antifungal activity of Western Australian  
soil actinomycetes against *Phytophthora*  
and *Pythium* species and a mycorrhizal  
fungus, *Laccaria laccata* 191
- Kennedy, J. P. *See* Tassell, Robin J. 351
- Kennedy, T. G.  
Embryonic signals and the initiation of  
blastocyst implantation 531
- Leckie, R. M. C. *See* Green, Brian 455
- Leshin, Mark. *See* Wilson, Jean D. 101
- Lindsay, D. R. *See* Martin, G. B. 369
- Luig, N. H. *See* Burdon, J. J. 403
- MacPhee, D. G. *See* Reanney, D. C. 77
- Maloney, J. E.  
Review of experimental studies on the  
functional development of the respiratory  
system in the foetal lamb 1
- Marshall, D. R. *See* Burdon, J. J. 403
- Martin, G. B., Scaramuzzi, R. J., Oldham,  
C. M., and Lindsay, D. R.  
Effects of progesterone on the responses of  
Merino ewes to the introduction of rams  
during anoestrus 369
- Martin, G. B. *See also* Adams, N. R. 295
- Maynes, G. M. *See* Cooper, D. W. 511
- McBride, W. G.  
Note on the paper 'Effects of scopolamine  
hydrobromide on the development of the  
chick and rabbit embryo' by W. G.  
McBride, P. H. Vardy and  
J. French 171
- McCaffery, C. *See* Stone, G. M. 61
- McDowell, G. H. *See* Gow, C. B. 357
- McKern, Neil M.  
Stimulatory effect of phenylmethylsulfonyl  
fluoride upon sulfate uptake by costal  
cartilage 35
- Comparison of sulfate metabolism in costal  
cartilage of normal and 'little' mice 263
- Messer, M., Gadiel, P. A., Ralston, G. B.,  
and Griffiths, M.  
Carbohydrates of the milk of the  
platypus 129
- Messer, M. *See also* Stewart, I. M. 139
- Mendoza, Evelyn Mae T. *See* Serrano,  
Edralina P. 445
- Miller, B. G. *See* Stone, G. M. 61
- Moore, G. P. M. *See* Hollis, D. E. 419
- Morton, T. C. *See* Reis, P. J. 157
- Munro, S. G. *See* Reis, P. J. 157
- Nancarrow, D.  
Decline with age in the rate of reduction of  
progesterone to  $20\alpha$ -hydroxypregn-4-en-  
3-one in the blood of perinatal  
ruminants 183
- Ngan, Anna S. *See* Broad, T. E. 147
- Nicholson, M. V. *See* Smythe, G. A. 379
- O'Donnell, I. J., Stewart, D. J., and Clark,  
B. L.  
Serological identification of pilus antigen  
and other protein antigens of *Bacteroides*  
*nodosus* using electro-blot  
radioimmunoassay after electrophoretic  
fractionation of the proteins on sodium  
dodecyl sulfate polyacrylamide gels 15

- Oldham, C. M. *See* Martin, G. B. 369
- Oldroyd, B., and Moran, C.  
Heritability of worker characters in the  
honeybee (*Apis mellifera*) 323
- Panaretto, B. A. *See* Hollis, D. E. 419
- Piper, L. R. *See* Tassell, Robin J. 351
- Poole, W. E. *See* Cooper, D. W. 511
- Post, T. B., and Bindon, B. M.  
Plasma luteinizing hormone and  
testosterone concentrations in different  
breeds of young beef bulls in the  
tropics 545
- Pressing, J. *See* Reanney, D. C. 77
- Radcliffe, B. C. *See* Benevenga, N. J. 475
- Ralston, G. B. *See* Messer, M. 129
- Ramberg, C. F. *See* Wastney, M. E. 463
- Reanney, D. C., MacPhee, D. G., and  
Pressing, J.  
Intrinsic noise and the design of the genetic  
machinery 77
- Reis, P. J., Tunks, D. A., Rigby, R. D. G.,  
Morton, T. C., and Munro, S. G.  
Investigation of some amino acid  
analogues and metabolites as inhibitors  
of wool and hair growth 157
- Rigby, R. D. G. *See* Reis, P. J. 157
- Ritar, A. J., and Salamon, S.  
Fertility of fresh and frozen-thawed semen  
of the Angora goat 49
- Salamon, S. *See* Ritar, A. J. 49
- Sandars, Shelley, and Youatt, Jean  
Amino acids in the control of  
differentiation of sporangia in *Allomyces*  
*macrognus* 435
- Scaramuzzi, R. J. *See* Martin, G. B. 369
- Sedcole, J. R. *See* Broad, T. E. 147
- Serrano, Edralina P., Ilag, Lina L., and  
Mendoza, Evelyn Mae T.  
Biochemical mechanisms of mimosine  
toxicity to *Sclerotium rolfsii* Sacc. 445
- Setchell, B. P., and Galil, K. A. A.  
Limitations imposed by testicular blood  
flow on the function of Leydig cells in  
rats *in vivo* 285
- Sherman, F. S. *See* Cooper, D. W. 511
- Smythe, G. A., and Bradshaw, J. F.  
Different acute effects of the tyrosine  
hydroxylase inhibitors  $\alpha$ -methyl-*p*-  
tyrosine and 3-iodo-L-tyrosine on  
hypothalamic noradrenaline activity and  
adrenocorticotrophic release in the  
rat 519
- Smythe, G. A., Duncan, M. W., Bradshaw,  
J. E., and Nicholson, M. V.  
Effects of 6-methoxy-1,2,3,4-tetrahydro- $\beta$ -  
carboline and yohimbine on  
hypothalamic monoamine status and  
pituitary hormone release in the rat 379
- Stewart, D. J. *See* O'Donnell, I. J. 15
- Stewart, I. M., Messer, M., Walcott, P. J.,  
Gadiel, P. A., and Griffiths, M.  
Intestinal glycosidase activities in one adult  
and two suckling echidnas: absence of a  
neutral lactase ( $\beta$ -D-galactosidase) 139
- St George, T. D. *See* Uren, M. F. 91
- Stone, G. M., McCaffery, C., Tassell, R., and  
Miller, R. G.  
Progesterone-regulated changes in  
oestradiol-stimulated guinea pig uterus:  
steroid hormone receptor levels and  
RNA and protein metabolism 61
- Stone, G. M. *See also* Collins, David J. 305,  
315
- Stranger, R. S. *See* Uren, M. F. 91
- Tassell, Robin J., Kennedy, J. P., Bindon,  
B. M., and Piper, L. R.  
Ovarian follicles of new-born Merino  
lambs from genetic lines which differ in  
fecundity 351
- Tassell, R. *See also* Stone, G. M. 61
- Thompson, E. O. P. *See* Fisher, W. K. 235;  
Webster, D. M. 21
- Thornton, R. F., *See* Tume, R. K. 41
- Tonkin, C. *See* Keast D. 191
- Tume, R. K., Thornton, R. F., and Johnson,  
G. W.  
Lipoprotein lipase of sheep and rat adipose  
tissue 41
- Tunks, D. A. *See* Reis, P. J. 157
- Turnbull, I. F., and Howells, A. J.  
Integumental chitin synthase activity in  
cell-free extracts of larvae of the  
Australian sheep blowfly, *Lucilia cuprina*,  
and two other species of Diptera 251
- Uren, M. F., St George, T. D., and Stranger,  
R. S.  
Epidemiology of ephemeral fever of cattle  
in Australia 1975-1981 91
- Walcott, P. J. *See* Stewart, I. M. 139
- Wastney, M. E., Wolff, J. E., and  
Bickerstaffe, R.  
Glucose turnover and hepatocyte glucose  
production of starved and toxæmic  
pregnant sheep 271
- Wastney, M. E., Wolff, J. E., Bickerstaffe, R.,  
Ramberg, C. F., and Berman, the  
late M.  
Kinetics of glucose metabolism in  
sheep 463

- Webster, D. M., and Thompson, E. O. P.  
Amino acid sequences containing cysteine  
or cystine residues in ovalbumin from  
eggs of the turkey *Melagris gallopavo* 21
- West, Malcolm J. *See* Day, T. A. 525
- Whitely, Justin L. *See* Willcox, David  
L. 173
- Willcox, David L., Arthur, Peter G.,  
Hartmann, Peter E., and Whitely,  
Justin L.  
Perinatal changes in plasma oestradiol-17 $\beta$ ,  
cortisol and progesterone and the  
initiation of lactation in sows 173
- Willoughby, John O. *See* Day, T. A. 525
- Wilson, Jean D., Griffin, James E., George,  
Frederick W., and Leshin, Mark  
The endocrine control of male phenotypic  
development 101
- Wolff, J. E. *See* Wastney, M. E. 271, 463
- Woolley, P. A. *See* Cooper, D. W. 511
- Youatt, Jean  
Formation of *O*-ethylhomoserine during  
the controlled production of resistant  
sporangia in *Allomyces macrogynus* 497
- Youatt, Jean. *See also* Sandars, Shelley 435

